AMENDMENT TO THE CLAIMS

Please amend the claims as follows:

1-3. (Canceled)

4. (Previously presented) A solid state imaging apparatus, comprising:

a plurality of pixels two-dimensionally arranged in a vertical direction and a horizontal direction wherein each of the plurality of pixels has a color filter having a different color from color filters of vertically or horizontally adjacent pixels; and

a signal output circuit configured to perform one of two types of operations,

wherein the signal output circuit includes:

a first shift register for sequentially outputting selection signals, which select each pixel, to all of the plurality of the pixels either in a vertical or a horizontal direction and

a second shift register for continuously outputting the selection signals to some of the plurality of pixels having color filters of the same color either in a vertical or a horizontal direction partially.

5. (Currently amended) A solid state imaging apparatus, comprising:

a plurality of pixels two-dimensionally arranged in a vertical direction and a horizontal direction wherein each of the plurality of pixels has a color filter having a different color from color filters of vertically or horizontally adjacent pixels; and

a signal output circuit configured to perform one of two types of operations,

wherein the signal output circuit includes:

a shift register for sequentially outputting via a selector switch ~~transistor~~ selection signals, which select each pixel, to all of the plurality of pixels either in a vertical or a horizontal direction and

an operation switching circuit for outputting the selection signals from the shift register, the operation switching circuit configured to switch between a first signal transmission method in which the selection signals are sequentially output to all pixels either in the vertical direction or the horizontal direction and a second signal transmission method in which the selection signals are continuously output to [[some]] all pixels having color filters of the same color either in the vertical direction or the horizontal direction partially.

6-11. (Canceled)

12. (Previously presented) A camera comprising a solid state imaging apparatus,

wherein the solid state imaging apparatus comprises:

a plurality of pixels two-dimensionally arranged in a vertical direction and a horizontal direction wherein each of the plurality of pixels has a color filter having a different color from color filters of vertically or horizontally adjacent pixels; and

a signal output circuit configured to perform one of two types of operations,

wherein the signal output circuit includes a first shift register for sequentially outputting selection signals, which select each pixel, to all of the plurality of the pixels either in a vertical or a horizontal direction and a second shift register for continuously outputting the selection signals to the plurality of pixels having color filters of the same color either in a vertical or a horizontal direction partially.

13. (Canceled)

14. (Previously presented) The solid state imaging apparatus of claim 4, wherein the second shift register repeats, after continuously outputting signals of the plurality of pixels having color filters of the same color, an operation which continuously outputs signals of the plurality of pixels having color filters of a different color, on a basis of each pixel mixture unit consisting of a plurality of pixels, and

the pixel mixture unit consists of 25 pixels arranged in five rows and five columns.

15. (Previously presented) The solid state imaging apparatus of claim 5, wherein the second signal transmission method repeats, after continuously outputting signals of the plurality of pixels having color filters of the same color, an operation which continuously outputs signals of the plurality of pixels having color filters of a different color, on a basis of each pixel mixture unit consisting of a plurality of pixels, and

the pixel mixture unit consists of 25 pixels arranged in five rows and five columns.

16. (Previously presented) The solid state imaging apparatus of claim 4, wherein the first shift register performs a regular operation, and a second shift register performs a pixel mixture operation.

17. (Previously presented) The solid state imaging apparatus of claim 16, wherein a static image mode is executed by the regular operation, and a moving image mode is executed by the pixel mixture operation.

18. (Previously presented) The solid state imaging apparatus of claim 5, wherein the first signal transmission method is a sequential scanning method, and the second signal transmission method is a pixel mixture scanning method.

19. (Previously presented) The solid state imaging apparatus of claim 18, wherein a static image mode is executed by the sequential scanning method, and a moving image mode is executed by the pixel mixture scanning method.

20. (Previously presented) The solid state imaging apparatus of claim 4, wherein the solid state imaging apparatus is of a MOS type, and the first and second shift registers are laid out in a same direction.

21. (Previously presented) The solid state imaging apparatus of claim 5, wherein the solid state imaging apparatus is of a MOS type, and the operation switching circuit comprises a plurality of MOS transistors selected by a plurality of gate signal lines.

22. (New) The solid state imaging apparatus of claim 4, wherein

the first shift register sequentially outputs all the pixel signals having color filters of the different colors from one another.

23. (New) The solid state imaging apparatus of claim 5, wherein

the first signal transmission method sequentially outputs all the pixel signals having color filters of the different colors from one another.

24. (New) The solid state imaging apparatus of claim 5, wherein

the selector switch comprises a transistor.